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<141>    2005-01-21

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1               5                   10                  15

Tyr Ser


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Phe Ser


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OR gca OR gcg OR gcc OR gct OR atg

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ggctgactgt tgtgctaagc aagaaccaga aagaaacgaa tgtttcttgc aacacaagga   420
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ccacgacaac gaagaaacct tcttgaagaa gtacttgtac gaaattgcta gaagacaccc   540
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atgttgtcaa gctgctgata aggctgcttg tttgttgcca aagttggatg aattgagaga   660
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<213>    Artificial Sequence

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<220>
<223>    Synthetic oligonucleotide leader sequence and the mature human albumin
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gaagatcatg taaaattagt gaatgaagta actgaatttg caaaaacatg tgttgctgat    240
gagtcagctg aaaattgtga caaatcactt cataccctt ttggagacaa attatgcaca    300
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gagatgcctg ctgacttgcc ttcattagct gctgattttg ttgaaagtaa ggatgtttgc   1020
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aagtgctgca aggctgacga taaggagacc tgctttgccg aggagggtaa aaaacttgtt   1800
gctgcaagtc aagctgcctt aggctta                                       1827

<210>    23
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<212>    DNA
<213>    Artificial Sequence

<220>
<223>    Synthetic oligonucleotide leader sequence

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<211>    72
<212>    DNA
<213>    Artificial Sequence

<220>
<223>    Synthetic oligonucleotide leader sequence

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ttggataaaa ga                                                        72

<210>    25
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<212>    DNA
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<220>
<223>    Synthetic oligonucleotide leader sequence and mature human albumin coding
region

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gaaaatttca aagccttggt gttgattgcc tttgctcagt atcttcagca gtgtccattt   180
gaagatcatg taaaattagt gaatgaagta actgaatttg caaaaacatg tgttgctgat   240
gagtcagctg aaaattgtga caaatcactt catacccttt ttggagacaa attatgcaca   300
gttgcaactc ttcgtgaaac ctatggtgaa atggctgact gctgtgcaaa acaagaacct    360
gagagaaatg aatgcttctt gcaacacaaa gatgacaacc caaacctccc ccgattggtg    420
agaccagagg ttgatgtgat gtgcactgct tttcatgaca atgaagagac atttttgaaa    480
aaatacttat atgaaattgc cagaagacat ccttactttt atgccccgga actccttttc    540
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tgcctgttgc caaagctcga tgaacttcgg gatgaaggga aggcttcgtc tgccaaacag   660
agactcaagt gtgccagtct ccaaaaattt ggagaaagag ctttcaaagc atgggcagta   720
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cagcttggag agtacaaatt ccagaatgcg ctattagttc gttacaccaa gaaagtaccc  1320
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gctgcaagtc aagctgcctt aggctta                                       1827
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gaatctgctg aaaactgtga caagtccttg cacaccttgt tcggtgataa gttgtgtact   300
gttgctacct tgagagaaac ctacggtgaa atggctgact gttgtgctaa gcaagaacca   360
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ccaaaggcta ctaaggaaca attgaaggct gtcatggatg atttcgctgc tttcgttgaa  1740
aagtgttgta aggctgatga taaggaaact tgtttcgctg aagaaggtaa gaagttggtc  1800
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<220>
<223>    Synthetic oligonucleotide leader sequence

<400>    27
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ttggataaga ga                                                         72

<210>    28
<211>    11
<212>    PRT
<213>    Artificial Sequence

<220>
<223>    Synthetic oligonucleotide secretion pre-sequence

<400>    28
Met Lys Trp Val Val Ser Ser Ser Ala Tyr Ser
1               5               10

<210>    29
<211>    5
<212>    PRT
<213>    Artificial Sequence

<220>
<223>    Synthetic polypeptide leader sequence

<220>
<221>    MISC_FEATURE
<222>    1
<223>    CAN BE EITHER Phe OR Trp OR Tyr

<220>
<221>    MISC_FEATURE
<222>    2
<223>    CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met

<220>
<221>    MISC_FEATURE
<222>    3
<223>    CAN BE EITHER Leu OR Val OR Ala OR Met

<220>
<221>    MISC_FEATURE
<222>    5
<223>    CAN BE EITHER Ile OR Val OR Ala OR Met


<400>    29
Xaa Xaa Xaa Thr Xaa
1               5

<210>    30
<211>    15
<212>    PRT
<213>    Artificial Sequence

<220>
<223>    Synthetic polypeptide secretion pre-sequence

<400>    30
Leu Phe Leu Phe Ser Ser Ala Tyr Ser Arg Gly Val Phe Arg Arg
1               5               10              15

<210>    31
<211>    24
<212>    PRT
<213>    Artificial Sequence
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<220>
<223>    Synthetic polypeptide secretion pre-sequence

<220>
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<223>    any amino acid PREFERABLY Phe

<220>
<221>    MISC_FEATURE
<222>    6
<223>    any amino acid PREFERABLY Ile

<220>
<221>    MISC_FEATURE
<222>    7
<223>    any amino acid PREFERABLY Val

<220>
<221>    MISC_FEATURE
<222>    8
<223>    any amino acid PREFERABLY Ser or Thr

<220>
<221>    MISC_FEATURE
<222>    9
<223>    any amino acid PREFERABLY Ile

<400>    31
Met Lys Trp Val Xaa Xaa Xaa Xaa Xaa Leu Phe Leu Phe Ser Ser Ala
1               5                   10                  15

Tyr Ser Arg Gly Val Phe Arg Arg
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<210>    32
<211>    24
<212>    PRT
<213>    Artificial Sequence

<220>
<223>    Synthetic polypeptide secretion pre-pro sequence

<400>    32
Met Lys Trp Val Phe Ile Val Ser Ile Leu Phe Leu Phe Ser Ser Ala
1               5                   10                  15

Tyr Ser Arg Ser Leu Asp Lys Arg
            20

<210>    33
<211>    4
<212>    PRT
<213>    Artificial Sequence

<220>
<223>    Synthetic polypeptide secretion pre-sequence

<220>
<221>    MISC_FEATURE
<222>    2
<223>    CAN BE EITHER Lys OR Arg OR His

<220>
<221>    MISC_FEATURE
<222>    3
<223>    CAN BE EITHER Phe OR Trp OR Tyr

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<220>
<221>    MISC_FEATURE
<222>    4
<223>    CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met

<400>    33
Met Xaa Xaa Xaa
1


<210>    34
<211>    15
<212>    DNA
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<220>
<223>    Synthetic oligonucleotide leader Sequence

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<211>    36
<212>    DNA
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<210>    36
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<220>
<223>    Synthetic oligonucleotide primer

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<212>    DNA
<213>    Artificial Sequence

<220>
<223>    Synthetic oligonucleotide linker

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<210>    38
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<220>
<223>    Synthetic oligonucleotide linker

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<212>    DNA
<213>    Artificial Sequence
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<220>
<223>    Synthetic oligonucleotide primer

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<210>    40
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<212>    DNA
<213>    Artificial Sequence

<220>
<223>    S. cerevisiae 5'UTR and synthetic oligonucleotide leader sequence and
mature human albumin CDS

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cgctcacaga ttcaaggact tgggtgaaga aaacttcaag gctttggtct tgatcgcttt     180
cgctcaatac ttgcaacaat gtccattcga agatcacgtc aagttggtca acgaagttac     240
cgaattcgct aagacttgtg ttgctgacga atctgctgaa aactgtgaca agtccttgca     300
caccttgttc ggtgataagt tgtgtactgt tgctaccttg agagaaacct acggtgaaat     360
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ccacgacaac gaagaaacct tcttgaagaa gtacttgtac gaaattgcta gaagacaccc     540
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